

Hydrographic Sheet, No. 1378.

Comdr. G. W. Coffin, U.S.N. 1379-
Comdg. Party.

Specimens registered Oct. 3^d 1877.

Sea Bottom Specimens.

| Date | Section No. | Locality. | Faths. | Appearance. | Box No. | Draw. No. |
|-------|-------------|--|---------|----------------------------|---------|-----------|
| 1877. | XI. | <u>Ore. and W.T. Sea Approaches to Columbia River Bar.</u> | | | | |
| July | 1. | Angle No. 2, c Day | 12. | gy. S. | | |
| " | 2. | " " 13, " " | 48. | br. M. | | |
| " | 3. | " " 28, " " | 8. | fine. gy. S. | | |
| " | 6. | " " 24, d " | 31. | br. M. & S. | | |
| " | 7. | " " 35, " " | 11. | fine. gy. S. | | |
| " | 8. | " " 37, " " | 24. | gy. S. & gy. M. | | |
| " | 9. | " " 39, " " | 35. | fine. dk. gy. S. | | |
| " | 10. | " " 41, " " | 46. | dk. gy. S. brk. Sh. | | |
| " | 11. | " " 42, " " | 40 1/2. | gy. S. & M. | | |
| " | 12. | " " 46, " " | 27 1/2. | fine. gy. S. M. & brk. Sh. | | |
| " | 13. | " " 4, e " | 22. | fine. gy. S. | | |
| " | 14. | " " 17, " " | 56. | gn. M. & S. | | |
| " | 16. | " " 26, " " | 43. | fine. dk. gy. S. | | |
| " | 17. | " " 47, " " | 34. | dk. gy. S. | | |
| " | 18. | " " 48, " " | 31. | fine. dk. gy. S. | | |
| " | 19. | " " 49, " " | 27. | fine. dk. gy. S. | | |
| " | 20. | " " 51, " " | 24. | fine. dk. gy. S. | | |
| " | 21. | " " 54, " " | 16. | fine. dk. gy. S. | | |
| " | 22. | " " 3, f " | 22. | fine. dk. gy. S. | | |
| " | 23. | " " 7, " " | 40 1/2. | fine. dk. gy. S. | | |
| " | 24. | " " 16, " " | 53 1/4. | fine. dk. gy. S. | | |
| " | 25. | " " 18, " " | 61. | fine. dk. gy. S. | | |
| " | 26. | " " 22, " " | 60. | fine. gy. S. & M. | | |
| " | 27. | " " 43, " " | 37. | fine. dk. gy. S. | | |
| " | 28. | " " 49, " " | 47. | fine. dk. gy. S. | | |
| " | 30. | " " 55, " " | 60. | fine. dk. gy. S. & M. | | |
| " | 31. | " " 8, g " | 41. | fine. dk. gy. S. | | |

Fifty-min (59) boxes.

Continued.

| Date. | Section No. | Locality. | Faths. | Appearance. |
|----------|-------------|-------------------|---------|------------------------------|
| 1877. | XI. | | | |
| (?) Aug. | 32. | Angle No. 13, day | 47 1/2. | fm. dk. gy. S. |
| July | 33. | " " 18, " " | 61. | gr. M. gy. S. brk. Sh. |
| " | 34. | " " 28, " " | 40. | crs. G. |
| Aug. | 35. | " " 2, " " | 33. | fm. dk. gy. S. |
| " | 36. | " " 3, " " | 27. | fm. gy. S. M. |
| " | 37. | " " 4, " " | 21 1/2. | fm. dk. gy. S. M. brk. S. |
| " | 38. | " " 7, " " | 9 3/4. | label torn. |
| " | 39. | " " 2, " " | 10 1/2. | fm. gy. S. |
| " | 41. | " " 5, " " | 16. | fm. gy. S. |
| " | 42. | " " 9, " " | 26. | fm. dk. gy. S. M. & brk. Sh. |
| " | 43. | " " 11, " " | 30. | fm. dk. gy. S. M. |
| " | 44. | " " 13, " " | 34 1/2. | fm. dk. gy. S. wood. |
| " | 45. | " " 15, " " | 42. | fm. gy. S. M. brk. Sh. |
| " | 46. | " " 3, " " | 10 1/2. | brk. M. S. |
| " | 47. | " " 8, " " | 29. | fm. dk. gy. S. M. |
| " | 48. | " " 14, " " | 36. | S. & M. |
| " | 49. | " " 19, " " | 46. | fm. gy. S. brk. Sh. |
| " | 50. | " " 47, " " | 34. | dk. gy. M. Sh. |
| " | 51. | " " 8, 0 " | 35. | dk. gy. S. M. |
| " | 52. | " " 10, " " | 39. | dk. M. |
| " | 53. | " " 11, " " | 39. | dk. M. S. |
| " | 54. | " " 44, p " | 36 1/2. | fm. gy. S. brk. Sh. |
| " | 55. | " " 64, " " | 27. | fm. dk. gy. S. M. |
| " | 56. | " " 68, " " | 37. | dk. gy. S. M. |
| " | 57. | " " 72, " " | 38. | dk. gy. S. M. |
| " | 58. | " " 5, r " | 10 1/2. | fm. gy. S. |
| " | 59. | " " 6, " " | 8 3/4. | fm. gy. S. |
| " | 61. | " " 14, " " | 15 1/2. | S. & M. |

Continued

| Date. | Section No. | Locality. | Fath. | Appearance. |
|----------|----------------|---------------------|---------|---------------------|
| 1877. | XI. | | | |
| Aug. 62. | | Angle No. 38, r day | 10 1/2. | fm. gy. S. |
| " 63. | | " " 44, " " | 13. | fm. gy. S. M. |
| " 64. | | " " 46, " " | 11 3/4. | fm. gy. S. M. |
| " 65. | | " " 59, " " | 59. | Off Tillamook Rock. |

See also Hydrographic Sheet, No. 1379.

| No of Specimen | Day letter | Depth of Water | Character of Bottom | Angle | Remarks. |
|----------------|------------|----------------|--------------------------|-------|----------|
| 1 | C | 12 fath | Gy S. | 2 | |
| 2 | C | 48 " | Br M. | 13 | |
| 3 | C | 8 " | fine Gy S. | 28 | |
| 4 | d | 35 " | Br M. S. | 10 | d |
| 5 | d | 48 " | " | 15 | d |
| 6 | d | 31 " | " | 24 | d |
| 7 | d | 11 1/2 " | fine Gy S. | 35 | d |
| 8 | d | 24 " | Gy S. Br M. | 37 | d |
| 9 | d | 35 " | fine dr Gy S. | 39 | d |
| 10 | d | 46 " | dr Gy S. brk sh | 41 | d |
| 11 | d | 40 1/2 " | Gy S. M. rotten wood. | 42 | d |
| 12 | d | 21 1/2 " | fine Gy S. M. brk sh. | 76 | d |
| 13 | e | 22 " | fine Gy S. | 4 | e |
| 14 | e | 56 " | Gr M. S. | 17 | e |
| 15 | e | 58 " | " | 19 | e |
| 16 | e | 42 " | fine dr Gy S. | 26 | e |
| 17 | e | 34 " | dr Gy S. | 47 | e |
| 18 | e | 31 " | fine dr Gy S. | 48 | e |
| 19 | e | 27 " | " | 49 | e |
| 20 | e | 24 " | " | 51 | e |
| 21 | e | 16 " | " | 54 | e |
| 22 | f | 22 " | " | 3 | f |
| 23 | f | 40 1/2 " | " | 7 | f |
| 24 | f | 53 1/4 " | " | 16 | f |
| 25 | f | 61 " | " | 58 | f |
| 26 | f | 60 " | fine Gy S. M. | 22 | f |
| 27 | f | 37 " | fine dr Gy S. | 43 | f |
| 28 | f | 44 " | " | 49 | f |
| 29 | f | 59 " | " M. | 54 | f |
| 30 | f | 60 " | " | 55 | f |
| 31 | g | 41 " | fine dr Gy S. | 8 | g |
| 32 | g | 47 1/2 " | " | 13 | g |
| 33 | g | 61 " | Gr M. Gy S. brk sh. | 18 | g |
| 34 | g | 40 " | Crs. Gr | 28 | g |
| 35 | i | 33 " | fine dr Gy S. | 2 | i |
| 36 | i | 27 " | fine Gy S. M. | 3 | i |
| 37 | i | 21 1/2 " | fine dr Gy S. M. brk sh | 4 | i |
| 38 | i | 9 3/4 " | fine Gy S. M. | 7 | i |
| 39 | l | 10 1/2 " | fine Gy S. | 12 | l |
| 40 | l | 14 " | blk. M. S. | 4 | l |
| 41 | l | 16 " | fine Gy S. | 5 | l |
| 42 | l | 26 " | fine dr Gy S. M. brk sh. | 9 | l |
| 43 | l | 30 " | " " " " | 11 | l |
| 44 | l | 34 1/2 " | " " " " brk wood | 13 | l |
| 45 | l | 42 " | " " " " M. brk sh | 15 | l |
| 46 | m | 10 1/2 " | br M. S. | 3 | m |
| 47 | m | 29 " | fine dr Gy S. M. | 8 | m |
| 48 | n | 36 " | S. M. | 14 | n |
| 49 | n | 46 " | fine Gy S. brk sh | 19 | n |
| 50 | n | 34 " | dr Gy S. M. brk sh | 47 | n |
| 51 | o | 35 " | " " S. M. | 8 | o |
| 52 | o | 39 " | dr M. | 10 | o |
| 53 | o | 39 " | " " S. | 11 | o |
| 54 | p | 36 1/2 " | fine Gy S. brk sh | 44 | p |
| 55 | p | 27 " | " dr Gy S. M. | 64 | p |
| 56 | p | 31 1/4 " | dr Gy S. M. | 68 | p |
| 57 | p | 38 " | " | 72 | p |
| 58 | r | 10 1/2 " | fine Gy S. | 5 | r |
| 59 | r | 8 3/4 " | " | 6 | r |
| 60 | r | 10 1/2 " | S. M. | 10 | r |
| 61 | r | 15 1/2 " | " | 14 | r |
| 62 | r | 10 1/2 " | fine Gy S. | 38 | r |
| 63 | r | 13 " | " M. | 44 | r |
| 64 | r | 11 3/4 " | " M. | 46 | r |
| 65 | x | 59 | " " | | |

at Tice Rock.

How
O. P. Peckham
Superintendent

Respectfully
Edward Coffin
Lt Comdr USN

1877

C. J. Stur "Hassler"
Vally, Cal.
Sept 1877.

Take of Specimens
off
Columbia River Bar
Oregon.

July. Aug. Sept. 1877.

Hydro. Sheet 1378.

Regd Oct 3-77